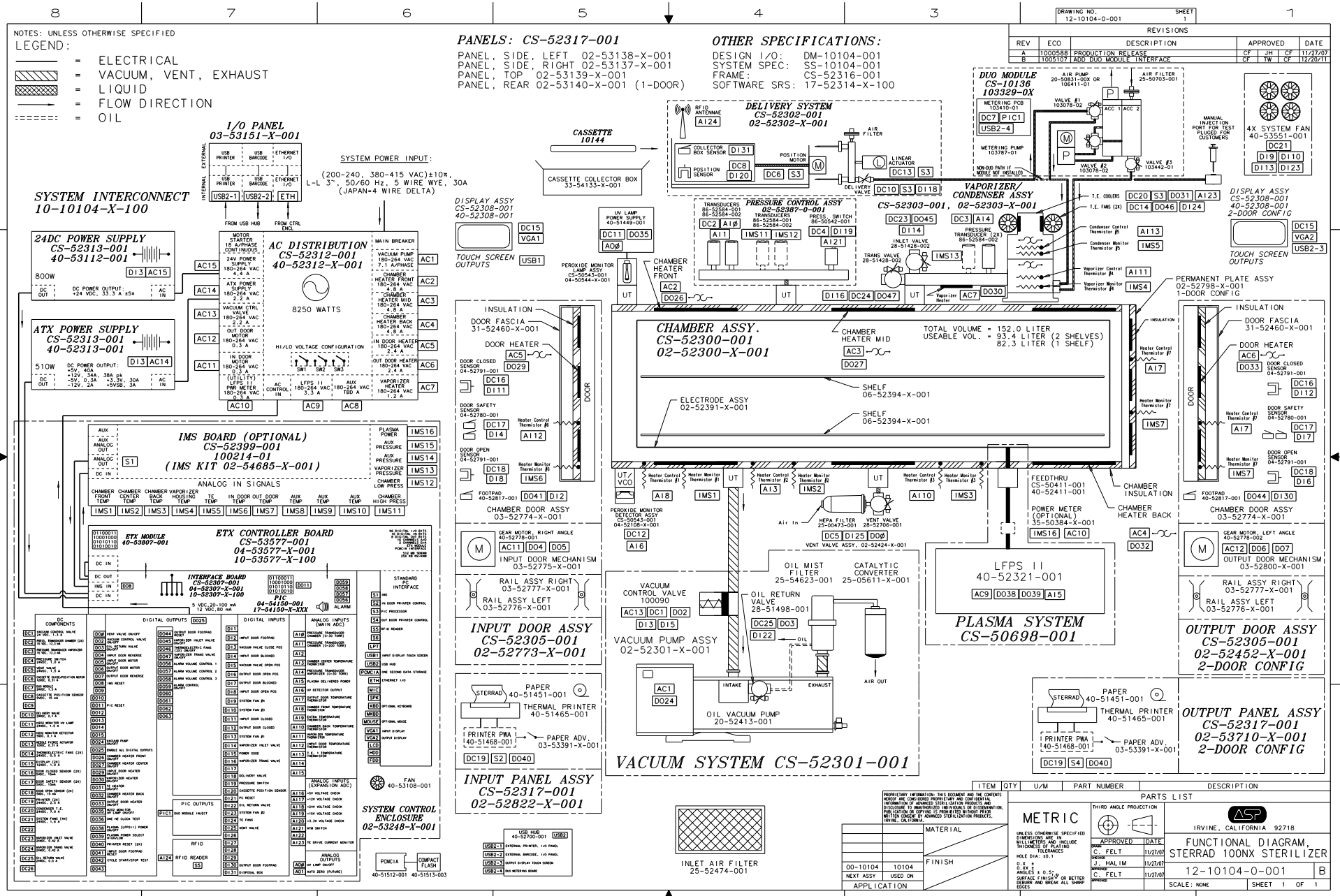
NOTES: UNLESS OTHERWISE SPECIFIED
LEGEND:
= ELECTRICAL
= VACUUM, VENT, EXHAUST
= LIQUID
= FLOW DIRECTION
= OIL
PANELS: CS-52317-001
PANEL, SIDE, LEFT 02-53138-X-001
PANEL, SIDE, RIGHT 02-53137-X-001
PANEL, TOP 02-53139-X-001
PANEL, REAR 02-53140-X-001 (1-DOOR)
OTHER SPECIFICATIONS:
DESIGN I/O: DM-10104-001
SYSTEM SPEC: SS-10104-001
FRAME: CS-52316-001
SOFTWARE SRS: 17-52314-X-100
DRAWING NO. 12-10104-0-001
SHEET 1
REVISIONS
REV ECO DESCRIPTION APPROVED DATE
A 1000588 PRODUCTION RELEASE CF JH CF 11/27/07
B 1005107 ADD DUO MODULE INTERFACE CF TW CF 12/20/11
I/O PANEL 03-53151-X-001
SYSTEM INTERCONNECT 10-10104-X-100
SYSTEM POWER INPUT:
(200-240, 380-415 VAC)±10%, L-L 3Ø, 50/60 Hz, 5 WIRE WYE, 30A
(JAPAN=4 WIRE DELTA)
24DC POWER SUPPLY CS-52313-001 40-53112-001
800W
DC POWER OUTPUT: +24 VDC, 33.3 A ±5%
ATX POWER SUPPLY CS-52313-001 40-52313-001
510W
DC POWER OUTPUT: +5V, 40A; +12V, 34A, 38A pk; +3.3V, 30A; -12V, 2A; -5V, 0.3A; +5VSB, 3A
AC DISTRIBUTION CS-52312-001 40-52312-001
8250 WATTS
HI/LO VOLTAGE CONFIGURATION
IMS BOARD (OPTIONAL) CS-52399-001 100214-01 (IMS KIT 02-54685-X-001)
ANALOG IN SIGNALS
ETX CONTROLLER BOARD CS-53577-001 04-53577-X-001 10-53577-X-100
ETX MODULE 40-53807-001
INTERFACE BOARD CS-52307-001 04-52307-X-001 10-52307-X-100
PIC 04-54150-001 17-54150-X-XXX
DC COMPONENTS
DIGITAL OUTPUTS
DIGITAL INPUTS
ANALOG INPUTS (MAIN ADC)
ANALOG INPUTS (EXPANSION ADC)
PIC OUTPUTS
RFID
STANDARD INTERFACE
FAN 40-53108-001
SYSTEM CONTROL ENCLOSURE 02-53248-X-001
POMCIA
COMPACT FLASH
40-51512-001 40-51513-003
CASSETTE 10144
CASSETTE COLLECTOR BOX 33-54133-X-001
DELIVERY SYSTEM CS-52302-001 02-52302-X-001
RFID ANTENNAE
COLLECTOR BOX SENSOR
POSITION SENSOR
POSITION MOTOR
LINEAR ACTUATOR
AIR FILTER
DELIVERY VALVE
DUO MODULE CS-10136 103329-0X
METERING PCB 103410-01
METERING PUMP 103787-01
NON-DUO PATH (IF MODULE NOT INSTALLED)
AIR PUMP 20-50831-00X OR 106411-01
AIR FILTER 25-50703-001
VALVE #1 103078-02
VALVE #2 103078-02
VALVE #3 103442-01
MANUAL INJECTION PORT FOR TEST PLUGED FOR CUSTOMERS
4X SYSTEM FAN 40-53551-001
VAPORIZER/ CONDENSER ASSY CS-52303-001, 02-52303-X-001
T.E. COOLERS
T.E. FANS (2X)
Condenser Control Thermistor
Condenser Monitor Thermistor
Vaporizer Control Thermistor
Vaporizer Monitor Thermistor
PRESSURE CONTROL ASSY 02-52387-0-001
TRANSDUCERS 86-52584-001 86-52584-002
TRANSDUCERS 86-52584-001 86-52584-002 86-52584-003
PRESS. SWITCH 86-50542-001
PRESSURE TRANSDUCER (2X) 86-52584-002
INLET VALVE 28-51428-002
TRANS VALVE 28-51428-002
DISPLAY ASSY CS-52308-001 40-52308-001
TOUCH SCREEN OUTPUTS
DISPLAY ASSY CS-52308-001 40-52308-001 2-DOOR CONFIG
TOUCH SCREEN OUTPUTS
UV LAMP POWER SUPPLY 40-51449-001
PEROXIDE MONITOR LAMP ASSY CS-50543-001 04-50544-X-001
CHAMBER HEATER FRONT
CHAMBER ASSY. CS-52300-001 02-52300-X-001
TOTAL VOLUME = 152.0 LITER
USEABLE VOL. = 93.4 LITER (2 SHELVES) 82.3 LITER (1 SHELF)
CHAMBER HEATER MID
ELECTRODE ASSY 02-52391-X-001
SHELF 06-52394-X-001
SHELF 06-52394-X-001
PERMANENT PLATE ASSY 02-52798-X-001 1-DOOR CONFIG
INSULATION
DOOR FASCIA 31-52460-X-001
DOOR HEATER
DOOR CLOSED SENSOR 04-52791-001
DOOR SAFETY SENSOR 04-52780-001
DOOR OPEN SENSOR 04-52791-001
FOOTPAD 40-52817-001
CHAMBER DOOR ASSY 03-52774-X-001
GEAR MOTOR, RIGHT ANGLE 40-52778-001
INPUT DOOR MECHANISM 03-52775-X-001
RAIL ASSY RIGHT 03-52777-X-001
RAIL ASSY LEFT 03-52776-X-001
INPUT DOOR ASSY CS-52305-001 02-52773-X-001
PAPER 40-51451-001
THERMAL PRINTER 40-51465-001
PRINTER PWA 40-51468-001
PAPER ADV. 03-53391-X-001
INPUT PANEL ASSY CS-52317-001 02-52822-X-001
USB HUB 40-52700-001
VACUUM SYSTEM CS-52301-001
VACUUM CONTROL VALVE 100090
VACUUM PUMP ASSY 02-52301-X-001
OIL MIST FILTER 25-54623-001
CATALYTIC CONVERTER 25-05611-X-001
OIL RETURN VALVE 28-51498-001
OIL VACUUM PUMP 20-52413-001
INTAKE
EXHAUST
AIR OUT
HEPA FILTER 25-52706-001
VENT VALVE 28-52706-001
VENT VALVE ASSY, 02-52424-X-001
Air In
PEROXIDE MONITOR DETECTOR ASSY CS-50543-001 04-52108-X-001
FEEDTHRU CS-50411-001 40-52411-001
POWER METER (OPTIONAL) 35-50384-X-001
CHAMBER INSULATION
CHAMBER HEATER BACK
LFPS II 40-52321-001
PLASMA SYSTEM CS-50698-001
OUTPUT DOOR ASSY CS-52305-001 02-52452-X-001 2-DOOR CONFIG
OUTPUT DOOR MECHANISM 03-52800-X-001
OUTPUT PANEL ASSY CS-52317-001 02-53710-X-001 2-DOOR CONFIG
INLET AIR FILTER 25-52474-001
PROPRIETARY INFORMATION: THIS DOCUMENT AND THE CONTENTS HEREOF ARE CONSIDERED PROPRIETARY AND CONFIDENTIAL INFORMATION OF ADVANCED STERILIZATION PRODUCTS AND IS DISCLOSURE TO UNAUTHORIZED INDIVIDUALS OR DISSEMINATION, PUBLICATION OR COPYING IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ADVANCED STERILIZATION PRODUCTS, IRVINE, CALIFORNIA.
MATERIAL
FINISH
00-10104 10104
NEXT ASSY USED ON
APPLICATION
ITEM QTY U/M PART NUMBER DESCRIPTION
PARTS LIST
METRIC
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND INCLUDE THICKNESS OF PLATING
TOLERANCES
HOLE DIA: ±0.1
X.X ±
X.XX ±
ANGLES ± 0.5°
SURFACE FINISH 64 OR BETTER DEBURR AND BREAK ALL SHARP EDGES
THIRD ANGLE PROJECTION
APPROVED DATE
DRAWN C. FELT 11/27/07
CHECKED J. HALIM 11/27/07
APPROVED C. FELT 11/27/07
IRVINE, CALIFORNIA 92718
FUNCTIONAL DIAGRAM, STERRAD 100NX STERILIZER
12-10104-0-001 B
SCALE: NONE SHEET 1 OF 1